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# TRANSMITTAL FORM

(To be used for all correspondence  
after initial filing)

Application Number	10/728,715
Filing Date	December 4, 2003
First Named Inventor	Timothy J. Allen
Art Unit	2834
Examiner Name	
Attorney Docket No.	130209.490

## ENCLOSURES (check all that apply)

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Response<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement; Form PTO-1449<br><input type="checkbox"/> Cited References<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Response to Missing Parts under 37 C.F.R. 1.52 or 1.53<br><input type="checkbox"/> Response to Missing Parts/Incomplete Application | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Request for Corrected Filing Receipt<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input checked="" type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address<br><input type="checkbox"/> Declaration<br><input checked="" type="checkbox"/> Statement under 37 CFR 3.73(b)<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund | <input type="checkbox"/> CD(s), Number of CD(s) _____<br><input type="checkbox"/> After Allowance Communication to Technology Center (TC)<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Return Receipt Postcard<br><input type="checkbox"/> Additional Enclosure(s) (please identify below):<br><hr/> <hr/> <hr/> |
|---|---|--|

Remarks

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Individual Name	Frank Abramonte	Customer Number
Signature		
Date	August 2, 2004	

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Jennifer J. Fortuny	
Signature		Date: August 2, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**ELECTION AND POWER OF  
ATTORNEY and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	10/728,715
Filing Date	December 4, 2003
First Named Inventor	Timothy J. Allen
Title	METHODS AND SYSTEMS FOR ELECTRIC MACHINES HAVING WINDINGS
Art Unit	2834
Examiner Name	
Attorney Docket Number	130209.490

I hereby appoint:

 Practitioners at Seed IP Law Group PLLC, Customer Number: 00500*OR* Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

 The above-mentioned Customer Number.*OR* The address associated with Customer Number:*OR*

<input type="checkbox"/> Firm or Individual Name			
Address			
City		State	ZIP
Country			
Telephone		Fax	

I am the:

 Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71.*Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).* As assignee of record of the entire interest I/we hereby elect, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventor(s).**SIGNATURE of Applicant or Assignee of Record**

Name	Noordin S.K. Nanji – Corporate Secretary
Signature	
Date	8 June 04
Name	Fred Flett – Vice-President, Product Development
Signature	
Date	1st June 04

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

 \*Total of 1 forms are submitted.



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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Timothy J. Allen et al.Application No./Patent No.: 10/728,715 Filed/Issue Date: December 4, 2003Entitled: METHODS AND SYSTEMS FOR ELECTRIC MACHINES HAVING WINDINGS

Ballard Power Systems Corporation, a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership,  
university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A.  An assignment from the inventor(s) of the patent application/patent identified above.  
The assignment was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the  
current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose titles are supplied below) are authorized to act on behalf of the assignee.

Noordin S.K. Nanji

Typed or printed name

Signature

Corporate Secretary

Title

B-June -04

Date

Telephone NumberFred Flett

Typed or printed name

Signature

Vice-President, Product Development

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

## ASSIGNMENT

WHEREAS, we, Timothy J. Allen, David Seniawski and Ziaur Rahman (hereinafter referred to as ASSIGNORS), having mailing addresses of 4 Victoria Walk, Cotham, United Kingdom BS6 5SR; 4200 Westminster Circle, Fremont, California 94536; and #108, 2159 Astoria Circle, Herndon, Virginia 20170, respectively, are the joint inventors of an invention entitled "METHODS AND SYSTEMS FOR ELECTRIC MACHINES HAVING WINDINGS," as described and claimed in the specification for which an application for United States letters patent was filed on December 4, 2003, and assigned Application No. 10/728,715;

WHEREAS, Ballard Power Systems Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Delaware having a place of business at 15001 Commerce Drive North, Dearborn, Michigan 48120, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

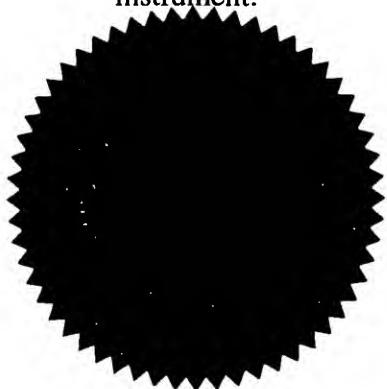
NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United

States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Date 30<sup>th</sup> April 2004  
 City of Fareham )  
 Country of Uk. )

T. Allen  
 Timothy J. Allen  
 ss.

I certify that I know or have satisfactory evidence that Timothy J. Allen is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.



Dated 30 April 2004  
 Signature of \_\_\_\_\_  
 Notary Public \_\_\_\_\_  
 Printed Name H.R. ALLEN TOWNSEND  
 My appointment expires WITH LIFE

Date \_\_\_\_\_  
 State of \_\_\_\_\_ )  
 County of \_\_\_\_\_ )

David Seniawski  
 ss.

I certify that I know or have satisfactory evidence that David Seniawski is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated \_\_\_\_\_  
 Signature of \_\_\_\_\_  
 Notary Public \_\_\_\_\_  
 Printed Name \_\_\_\_\_  
 My appointment expires \_\_\_\_\_

States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Date \_\_\_\_\_

Timothy J. Allen

City of \_\_\_\_\_)

ss.

Country of \_\_\_\_\_)

I certify that I know or have satisfactory evidence that Timothy J. Allen is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated \_\_\_\_\_

Signature of \_\_\_\_\_  
Notary Public \_\_\_\_\_

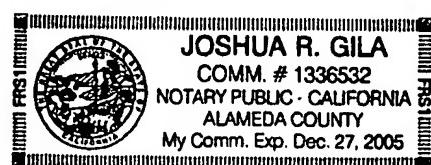
Printed Name \_\_\_\_\_

My appointment expires \_\_\_\_\_

Date 5/15/04\_\_\_\_\_  
David SeniawskiState of California)County of Alameda)

ss.

I certify that I know or have satisfactory evidence that David Seniawski is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 5/15/2004Signature of \_\_\_\_\_  
Notary Public Joshua R. GilaPrinted Name Joshua R. GilaMy appointment expires 12/27/05

Date

03/29/04

Ziaur Rahman

State of Virginia)

ss.

County of Fairfax)

I certify that I know or have satisfactory evidence that Ziaur Rahman is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated \_\_\_\_\_

Signature of  
Notary Public \_\_\_\_\_

Printed Name \_\_\_\_\_

My appointment expires \_\_\_\_\_

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(130209.490)